

PA-1 DC

QUERY CONTROL FORM			RTIS USE ONLY
Application No.	101023,032	Prepared by	S.Winston
Examiner-GAU	CHOWDHURY-2871	Date	5-11-04
		No. of queries	1
			RENSE-IFW

JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

MESSAGE

2 lines of Continuing data listed on
Palm/B1B but not in specification

CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

Please advise

Thank you.

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RESPONSE

Corrected

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4/14/94

**"SUPER BROAD-BAND
POLARIZING REFLECTIVE MATERIAL"**

07 has a continuation of application 09/066,403, a
which is a continuation of application PCT/US96/17964 filed now,
BACKGROUND OF THE INVENTION

abandoned,
Pct App. 30,96, now,

8,1996

Technical Field

10 The present invention relates generally to circularly polarizing reflective material made from single layer Cholesteric Liquid Crystal (CLC) film material having "super" broad-band reflection and transmission band characteristics approaching 2000nm, and also to various novel methods for
15 fabricating and using the same in diverse applications.

Background Art

In the modern world, there are numerous applications which require circularly polarizing material having broad-band
20 reflection and transmission characteristics. Such applications range from polarizing filters used in optical systems, to highly reflective pigments used in the manufacture of CLC-based paints and inks.

A detailed review of the prior art literature reveals that
25 European Patent Application 94200026.6 entitled "Cholesteric Polarizer and Manufacture Thereof", published July 20, 1994 and assigned to Philips Electronics, N.V. of Eindhoven, Netherlands (the "Phillips reference"), is the most relevant prior art reference as it discloses several methods on how to
30 make a single layer CLC film material having broad-band reflection and transmission characteristics. In order to achieve its broad-band reflection and transmission characteristics, which are limited to about 400nm, the Phillips disclosure